

AMENDMENTS TO THE CLAIMS

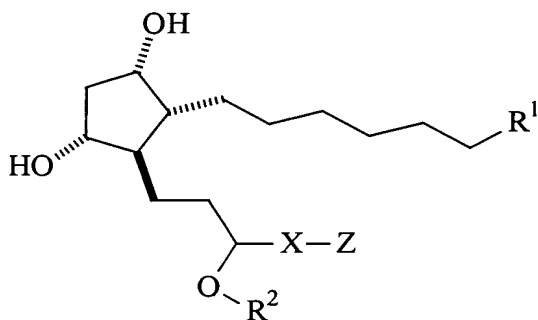
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

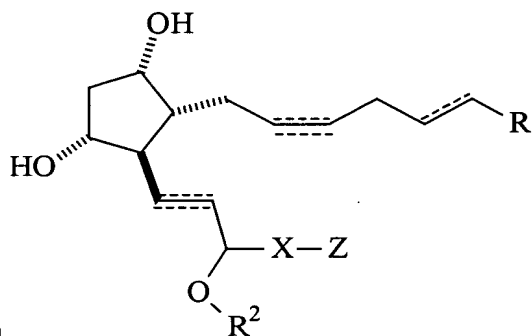
1. (Currently Amended) A composition for treating hair loss comprising:

A) an active ingredient selected from the group consisting of a prostaglandin F analog having a structure selected from the group consisting of

aa)



bb)



and

;

pharmaceutically acceptable salts and hydrates of the structures above; biohydrolyzable amides, esters, and imides of the structures above; optical isomers, diastereomers, and enantiomers of the structures above; and combinations thereof;

wherein R¹ is selected from the group consisting of C(O)OH, C(O)NHOH, C(O)OR³, CH₂OH, S(O)₂R³, C(O)NHR³, C(O)NHS(O)₂R⁴, tetrazole, a cationic salt moiety, a pharmaceutically acceptable amine or ester comprising 2 to 13 carbon atoms, and a biometabolizable amine or ester comprising 2 to 13 atoms;

R² is selected from the group consisting of a hydrogen atom, a lower heterogenous group, and a lower monovalent hydrocarbon group;

R³ is selected from the group consisting of a monovalent hydrocarbon group, a heterogeneous group, a carbocyclic group, a heterocyclic group, an aromatic group, a heteroaromatic group, a substituted monovalent hydrocarbon group, a substituted heterogeneous group, a substituted carbocyclic group, a substituted heterocyclic group, a substituted aromatic group, and a substituted heteroaromatic group;

R⁴ is selected from the group consisting of a monovalent hydrocarbon group, a heterogeneous group, a carbocyclic group, a heterocyclic group, an aromatic group, a heteroaromatic group, a substituted monovalent hydrocarbon group, a substituted heterogeneous group, a substituted carbocyclic group, a substituted heterocyclic group, a substituted aromatic group, and a substituted heteroaromatic group;

X is selected from the group consisting of $-C\equiv C-$, a covalent bond, $-CH=C=CH-$, $-CH=CH-$, $-CH=N-$, $-C(O)-$, $-C(O)Y-$, $-(CH_2)_n-$, wherein n is 2 to 4, -, and $-CH_2O-$;

Y is selected from the group consisting of an oxygen atom, a sulfur atom, and NH; and

Z is selected from the group consisting of a carbocyclic group, a heterocyclic group, an aromatic group, a heteroaromatic group, a substituted carbocyclic group, a substituted heterocyclic group, a substituted aromatic group, and a substituted heteroaromatic group; and

B) a carrier

with the proviso that the bond between carbons five and six of structure bb) cannot be a double bond.

2. (Original) The composition of claim 1, wherein R^1 is selected from the group consisting of CO_2H , $C(O)NHOH$, CO_2R^3 , $C(O)NHS(O)_2R^4$, and tetrazole.

3. (Original) The composition of claim 1, wherein R^2 is a hydrogen atom.

4. (Original) The composition of claim 1, wherein R^3 is selected from the group consisting of methyl, ethyl, and isopropyl.

5. (Withdrawn) The composition of claim 1, wherein R^4 is a phenyl group.

6. (Withdrawn) The composition of claim 1, wherein X is a covalent bond and Z is selected from the group consisting of an aromatic ring, a heteroaromatic ring, a substituted aromatic ring, and a substituted heteroaromatic ring.

7. (Withdrawn) The composition of claim 1, wherein X is $-C\equiv C-$, and Z is a monocyclic aromatic ring.

8. (Original) The composition of claim 1, wherein component A) is added in an amount of $IC_{50} \times 10^{-2} \geq \% \text{ of component A) } \geq IC_{50} \times 10^{-3}$,
where IC_{50} of component A) is expressed in nanomolar units.

9. (Original) The composition of claim 8, wherein component C) an activity enhancer is added to the composition in an amount of 1 to 20%, and a sufficient amount of component B) is added such that the amounts of components A), B), and C) combined equal 100%.

10. (Original) The composition of claim 1, wherein component B) comprises an ingredient selected from the group consisting of q) an emollient, r) a propellant, s) a solvent, t) a humectant, u) a

thickener, v) a powder, w) a fragrance, water, alcohols, aloe vera gel, allantoin, glycerin, vitamin A and E oils, mineral oil, propylene glycol, polypropylene glycol-2 myristyl propionate, dimethyl isosorbide, and combinations thereof.

11. (Original) The composition of claim 10, wherein ingredient q) is selected from the group consisting of stearyl alcohol, glyceryl monoricinoleate, glyceryl monostearate, propane-1,2-diol, butane-1,3-diol, mink oil, cetyl alcohol, isopropyl isostearate, stearic acid, isobutyl palmitate, isocetyl stearate, oleyl alcohol, isopropyl laurate, hexyl laurate, decyl oleate, octadecan-2-ol, isocetyl alcohol, cetyl palmitate, di-n-butyl sebacate, isopropyl myristate, isopropyl palmitate, isopropyl stearate, butyl stearate, polyethylene glycol, triethylene glycol, lanolin, sesame oil, coconut oil, arachis oil, castor oil, acetylated lanolin alcohols, petrolatum, mineral oil, butyl myristate, isostearic acid, palmitic acid, isopropyl linoleate, lauryl lactate, myristyl lactate, decyl oleate, myristyl myristate, polydimethylsiloxane, and combinations thereof.

12. (Original) The composition of claim 10, wherein ingredient r) is selected from the group consisting of propane, butane, isobutane, dimethyl ether, carbon dioxide, nitrous oxide, and combinations thereof.

13. (Original) The composition of claim 10, wherein ingredient s) is selected from the group consisting of water, ethyl alcohol, methylene chloride, isopropanol, castor oil, ethylene glycol monoethyl ether, diethylene glycol monobutyl ether, diethylene glycol monoethyl ether, dimethyl sulfoxide, dimethyl formamide, tetrahydrofuran, and combinations thereof.

14. (Original) The composition of claim 10, wherein ingredient t) is selected from the group consisting of glycerin, sorbitol, sodium 2-pyrrolidone-5-carboxylate, soluble collagen, dibutyl phthalate, gelatin, and combinations thereof.

15. (Original) The composition of claim 10, wherein ingredient v) is selected from the group consisting of chalk, talc, fullers earth, kaolin, starch, gums, colloidal silicon dioxide, sodium polyacrylate, tetra alkyl ammonium smectites, trialkyl aryl ammonium smectites, chemically modified magnesium aluminum silicate, organically modified montmorillonite clay, hydrated aluminum silicate, fumed silica, carboxyvinyl polymer, sodium carboxymethyl cellulose, ethylene glycol monostearate, and combinations thereof.

16. (Cancelled)
and;

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)